

What is claimed is:

1. A light source apparatus for a vehicle headlight, comprising:
a base;
a plurality of LED elements located adjacent the base, wherein
each of the LED elements is arranged in such a manner as to form an emission
shape suited for a light distribution pattern for a vehicle headlight.
2. The light source apparatus for a vehicle headlight according to claim 1, wherein
each of the LED elements is substantially rectangular in exterior shape.
3. The light source apparatus for a vehicle headlight according to claim 1, wherein
each of the LED elements is substantially triangular in exterior shape.
4. The light source apparatus for a vehicle headlight according to claim 1, wherein at
least one of the LED elements is different in size as compared to another of the LED elements.
5. The light source apparatus for a vehicle headlight according to claim 1, further
comprising:
a drive device capable of supplying different drive currents to the LED elements,
wherein at least one of the LED elements is driven by a different drive current as compared to
another of the LED elements.

6. The light source apparatus for a vehicle headlight according to claim 1, wherein at least some of the LED elements are arranged along a given linear ridgeline.

7. The light source apparatus for a vehicle headlight according to claim 1, wherein at least some of the LED elements are arranged along two linear ridgelines.

8. The light source apparatus for a vehicle headlight according to claim 7, wherein the two linear ridgelines are at a given angle with respect to each other, and the given angle is between approximately 15 and 45 degrees.

9. The light source apparatus for a vehicle headlight according to claim 1, wherein the base includes at least one cavity and the plurality of LED elements are mounted in the at least one cavity located in the base.

10. The light source apparatus for a vehicle headlight according to claim 1, wherein each of the LED elements is arranged in such a manner as to form a brightness distribution suitable for a vehicle headlight.

11. The light source apparatus for a vehicle headlight according to claim 1, further comprising:

a light shielding device located adjacent the base and formed in the shape of a light distribution pattern, wherein each of the LED elements is arranged in such a manner as to correspond to the shape of the light shielding device.

12. The light source apparatus for a vehicle headlight according to claim 1, wherein each of the LED elements is substantially parallelogrammic in exterior shape.

13. A vehicle headlight, comprising:

the light source apparatus according to claim 1;

a light shielding device arranged in close vicinity to the light source apparatus and in a light emission direction thereof, the light shielding device configured to cut off light from the LED elements into the same shape as the light distribution pattern; and

a projection lens arranged such that a focus of the projection lens located in the direction of the light source apparatus is located in the vicinity of the light shielding device, wherein the projection lens is configured to irradiate forward the shape of an emission portion of the light source apparatus cut off by the light shielding device.

14. A light source, comprising:

a base;

a plurality of LED elements located adjacent the base and formed in a non-symmetrical array such that light emitted from the LED elements forms a light distribution pattern.

15. The light source according to claim 14, wherein each of the LED elements is substantially rectangular in exterior shape.

16. The light source according to claim 14, wherein each of the LED elements is substantially triangular in exterior shape.

17. The light source according to claim 14, wherein at least one of the LED elements is different in size as compared to another of the LED elements.

18. The light source according to claim 14, further comprising:
a drive device capable of supplying different drive currents to the LED elements, wherein at least one of the LED elements is driven by a different drive current as compared to another of the LED elements.

19. The light source according to claim 14, further comprising:
a resin formed on a top surface of the base and over the LED elements.

20. The light source according to claim 14, wherein the LED elements are arranged in two linear rows, the rows being arranged at a given angle with respect to each other, and the given angle is between approximately 15 and 45 degrees.